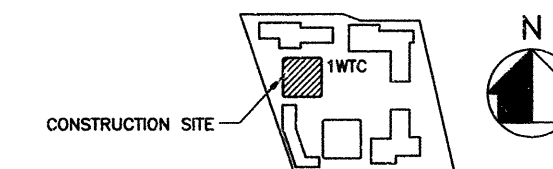


NOTES:

- FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES, SEE DWG. E-1. FOR INSTALLATION DETAILS, SEE DWG. E-2. FOR WIRING DIAGRAMS, SEE DWG. E-3.
- REPLACE EXISTING STROBE WITH THE SHOWN CANDELA RATED STROBE, AND REWIRE AS SHOWN. EXISTING BACKBOX AND CONDUIT STUB CAN BE UTILIZED IF IT IS SIMILAR TO THE TYPICAL STROBE OR COMBINATION BOX. SEE INSTALLATION DETAIL "T" ON DWG. E-2.
- ONLY AFTER INSTALLED STROBES ARE TESTED AND OPERATIONAL, SHALL CONTRACTOR REMOVE EXISTING STROBE IN THE PRESENCE OF THE ENGINEER. PATCH WALL TO MATCH EXISTING WALL FINISH.
- SINCE FIRE ALARM CIRCUIT LENGTH IS CRITICAL, ROUTING AND INSTALLATION OF ALL FIRE ALARM CIRCUITS SHALL BE AS SHOWN ON DRAWING.
- DISCONNECT AND ABANDON EXISTING STROBE CIRCUITS IN CEILING. TAPE ENDS OF ABANDONED CONDUCTORS AND TAG AS ABANDONED. THIS WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.
- AVOID ALL AREAS CONTAINING ASBESTOS.

STROBE CIRCUIT/LOADING TABLE

STROBE TYPE AND RATING	TYPE	15cd	30cd	75cd	110cd	CURRENT PER CIRCUIT	CIRCUIT LENGTH (ft.)
	CURRENT IN AMPS (A)	0.063	0.100	0.165	0.209	(AMPS.)	
QUANTITY OF STROBES PER CIRCUIT	STR-A	4	0	1	2	0.835	450
	STR-B	7	2	1	0	0.806	433
	STR-C	7	3	0	1	0.950	403
	STR-D	6	0	1	1	0.752	276
	STR-E	2	0	1	2	0.709	218
	STR-F	7	1	0	1	0.750	287
GRAND TOTAL						4.802	2067



KEY PLAN

0 12 24
SCALE IN FEET

Sheet 69 of 75

WORLD TRADE CENTER
104th FLOOR

ENGINEERING PROGRAM MANAGER
WORLD TRADE CENTER
CHIEF ELECTRICAL ENGINEER

1 8/23/99 AS-BID
No. Date Revision Approved

ENGINEERING DEPARTMENT
DESIGN DIVISION

WORLD
TRADE
CENTER

ELECTRICAL

Title
FIRE ALARM SYSTEM
DEVICE UPGRADE
PHASE III
1 WORLD TRADE CENTER
CONTRACT NO. 3
104th FLOOR
STROBE
INSTALLATION AND
REMOVAL PLAN

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

S. FELDSTEIN R. DUKESHIRE A.S.
Designed by Drawn by Checked by

AUGUST 9, 1999
Date

WTC-881.176 E-104-4
Contract Number Drawing Number